

EAST: [Untitled1]

File View Edit Tools Window Help

Disk Drive [View] [Edit]

- Drafts
- Pending
- Active
 - 11: (182117) disk adj1 drive
 - 12: (2987) write with read with offset
 - 13: (16663) pitch with track
 - 14: (4170) servo adj1 track
 - 15: (1066) burst adj1 pattern
 - 16: (9076) head adj1 slider
 - 17: (23) [some] [some]
- Failed
- Saved

Document ID: Date: Page: 1
 US 20050122609 20050609 16
 Drawings: DR - 1

Print Document

Format: 2 mm/pic

	Document ID	Date	Pages	Title	Current On	Current Ref	Retrieval	Inventor	1	2	3	4	5	6
1	P - US 20050122609 20050609 16			Data storage device and servo information writing apparatus and method for positioning head at target	360/48	360/76		Saikawa, Manabu et al.	<input checked="" type="checkbox"/>					
2	P - US 20040136109 20040715 1			Enhanced MR offset with dynamic tuning range	360/78 04	360/78 14		Kusumoto, Tatsuhiro et al.	<input checked="" type="checkbox"/>					
3	P - US 20040080859 20040429 1			Data storage device and servo information writing	360/77 02	360/77 06		Teo, SongWee et al.	<input checked="" type="checkbox"/>					
4	P - US 20040057151 20040325 1			In-situ linearization of magnetic read/write head	360/77 08	360/48		Saikawa, Manabu et al.	<input checked="" type="checkbox"/>					
5	P - US 20030026036 20030206 1			Optimal reader-to-writer offset measurement of a head	360/76	360/31; 360/53;		Seng, Edmund Chian Seng et al.	<input checked="" type="checkbox"/>					
6	P - US 20030002197 20030102 1			Track pitch control using head offset measurement for	360/75	360/76		Gomez, Kevin Arthur et al.	<input checked="" type="checkbox"/>					
7	P - US 20020176199 20021128 1			Method and apparatus for disk drive seek control	360/78 14			Asano, Hideo et al.	<input checked="" type="checkbox"/>					
8	P - US 6873488 B2 20050329 1			Enhanced MR offset with dynamic tuning range	360/77 06	360/31; 360/76		Teo, SongWee et al.	<input checked="" type="checkbox"/>					
9	P - US 6765744 B2 20040720 1			Track pitch control using head offset measurement for	360/75			Gomez, Kevin Arthur et al.	<input checked="" type="checkbox"/>					
10	P - US 6754030 B2 20040622 1			Optimal reader-to-writer offset measurement of a head	360/76	360/31; 360/53;		Seng, Edmund Chian Seng et al.	<input checked="" type="checkbox"/>					
11	P - US 6700731 B2 20040302 1			In-situ linearization of magnetic read/write head	360/77 08	360/77 04		Chaw, Kok-Kia	<input checked="" type="checkbox"/>					
12	P - US 6690538 B1 20040210 1			Disk drive device and access sequence therefor	360/78 08			Saito, Tomoaki et al.	<input checked="" type="checkbox"/>					
13	P - US 6597530 B2 20030722 1			Method and apparatus for disk drive seek control	360/78 14	360/77 04		Asano, Hideo et al.	<input checked="" type="checkbox"/>					
14	P - US 6519107 B1 20030211 1			Hard disk drive having self-written servo burst	360/75			Ehrlich, Richard M. et al.	<input checked="" type="checkbox"/>					
15	P - US 6456451 B1 20020924 1			Method and apparatus for disk drive seek control	360/77 04	360/75; 360/77 08;		Asano, Hideo et al.	<input checked="" type="checkbox"/>					
16	P - US 6025971 A 20000215 1			Magnetic disk drive using a nonvolatile solid state	360/77 08	360/48; 360/53;		Inoue, Tetsuo et al.	<input checked="" type="checkbox"/>					
17	P - US 5796543 A 19980818 1			Data track pattern including embedded servo sectors for	360/77 06	360/48		Ton-That, Luan	<input checked="" type="checkbox"/>					
18	P - US 5766957 A 19980728 1			Magnetic disk device using	360/77 08			Inoue, Tetsuo et al.	<input checked="" type="checkbox"/>					

File Edit Tools View Help

Recent

EAST-[Untitled1] File View Edit Tools Window Help

Drafts Pending Active Failed

11. (182117) disk adj1 drive
12. (2987) write with read with offset
13. (16663) pitch with track
14. (4170) servo adj1 track
15. (1066) burst adj1 pattern
16. (9076) head adj1 slider
17. (23) 1 same 2 same 3
18. (108) 1 and 2 and 3 and 4
19. (48) 1 and 2

Search... Doc... Print... Open... Save... New... Exit... Preferences... Help... About... Help Contents...

Document [OR-1]

Index

View Search Sort Filter Find Help HTML

ID	Document ID	Issue Date	Page	Title	Current Ver	Current Rev	Section	Inventor	P	C	E	F	G	H
1	US 20050122608	20050609	16	Data storage device and servo information writing	360/48	360/76		Saikawa, Manabu et al.	P	C	E	F	G	H
2	US 20050073770	20050407	1	System and methods for repairable servo burst	360/75	360/77, 04;		Schllich, Richard M. et al.	P	C	F	G	H	
3	US 20050068658	20050331	1	METHOD FOR SELF-SERVO SELF-WRITING A DISK DRIVE	360/75	360/70, 04		Yamamoto, Satoshi	P	C	F	G	H	
4	US 20050068657	20050331	1	Servo self-write disk drive with dual-stage actuator	360/75	360/31		Yamamoto, Satoshi	P	C	F	G	H	
5	US 20040201914	20041014	1	Servo information write method, data storage device	360/75			Ikeda, Masumi et al.	P	C	F	G	H	
6	US 20040125491	20040701	1	Servo information write method, servo control	360/75	360/48;		Iseri, Kaoru et al.	P	C	F	G	H	
7	US 20040057151	20040325	16	Data storage device and servo information writing	360/77, 08	360/48;		Saikawa, Manabu et al.	P	C	F	G	H	
8	US 20030197969	20031023	1	Controlling low frequency track shape errors in hard disk drive	360/77, 08	360/78, 04		Szita, Gabor et al.	P	C	F	G	H	
9	US 20030026036	20030206	15	In-situ linearization of magnetic read/write head	360/77, 08			Chew, Kok-Kia	P	C	F	G	H	
10	US 20020196576	20021226	1	Burst position error data write method and magnetic recording apparatus	360/77, 07	360/48;		Hirano, Masakazu et al.	P	C	F	G	H	
11	US 20020176199	20021128	27	Track pitch control using head offset measurement for	360/75	360/76		Gomez, Kevin Arthur et al.	P	C	F	G	H	
12	US 20020067567	20020606	1	Correction of dynamic track spacing errors in storage	360/77, 04	360/77, 08		Szita, Gabor	P	C	F	G	H	
13	US 20020036860	20020328	1	Method for linearizing microactuator hysteresis for	360/77, 05	360/75;		Bi, Qiang et al.	P	C	F	G	H	
14	US 20010040752	20011115	1	Servo track writing using extended copying with head	360/77, 04	360/77, 06		Szita, Gabor et al.	P	C	F	G	H	
15	US 20010033447	20011025	1	Method and apparatus for writing clock data to a magnetic recording medium	360/48	360/51;		Miles, Michael A.	P	C	F	G	H	
16	US 20010000302	20010419	1	Servo information writing method and storage device	360/31	360/53;		Sasamoto, Tatsuro et al.	P	C	F	G	H	
17	US 6765064 B2	20040831	1	Correction of dynamic track spacing errors in storage	360/77, 04	360/77, 08		Szita, Gabor	P	C	F	G	H	
18	US 6765744 B2	20040720	26	Track pitch control using head offset measurement for	360/75			Gomez, Kevin Arthur et al.	P	C	F	G	H	

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File View Edit Tools Window Help

Drafts

Document ID Issue Date Pages Title Current US Current DE Retrievable Inventor

Number	Type	Document ID	Issue Date	Pages	Title	Current US	Current DE	Retrievable	Inventor	PC	CD	PDF	Image	Text
39	P	US 6760184 B1	20040706	1	Compact servo pattern optimized for M-R heads	360/77.06			Cunningham, Earl Albert	<input checked="" type="checkbox"/>				
20	P	US 6714369 B2	20040330	1	Method and apparatus for writing clock date to a magnetic head	360/51	360/75		Miles, Michael A.	<input checked="" type="checkbox"/>				
21	P	US 6700731 B2	20040302	15	In-situ linearization of magnetic read/write head	360/77.08	360/77.04		Chew, Kok-Kia	<input checked="" type="checkbox"/>				
22	P	US 6700730 B1	20040302	1	Method of using an integral parameter for correct	360/77.04	360/78.09		Ohzeki, Hideki et al.	<input checked="" type="checkbox"/>				
23	P	US 6693763 B2	20040217	1	Method for linearizing microactuator hysteresis for	360/77.05	360/75	360/78.09	Si, Qiang et al.	<input checked="" type="checkbox"/>				
24	P	US 6693760 B1	20040217	1	Preamplifier circuit configurable to allow	360/75	360/51	360/67	Kroumbi, Mohamed T. et al.	<input checked="" type="checkbox"/>				
25	P	US 6631046 B2	20031007	1	Servo track writing using extended copying with head	360/75	360/51	360/77.07	Szita, Gabor et al.	<input checked="" type="checkbox"/>				
26	P	US 6600620 B1	20030729	1	Self-servo writing a disk drive by propagating	360/75	360/51		Kroumbi, Mohamed T. et al.	<input checked="" type="checkbox"/>				
27	P	US 6522488 B2	20030218	1	Servo information writing method and storage device	360/31	360/51	360/53	Suzumoto, Tetsuro et al.	<input checked="" type="checkbox"/>				
28	P	US 6519107 B1	20030211	21	Hard disk drive having self-written servo burst	360/75			Bhrlich, Richard H. et al.	<input checked="" type="checkbox"/>				
29	P	US 6469859 B1	20021022	1	Method and system for accurate self-servowriting	360/75			Chainer, Timothy et al.	<input checked="" type="checkbox"/>				
30	P	US 6369974 B1	20020409	1	Disk drive with method of constructing a continuous	360/78.14	360/75		Asgari, Saeed et al.	<input checked="" type="checkbox"/>				
31	P	US 6359749 B1	20020319	1	Dual element head with radial offset optimized for	360/121			Fukushima, Craig N.	<input checked="" type="checkbox"/>				
32	P	US 6344942 B1	20020205	1	Method and apparatus for absolute track spacing	360/75	360/78.04		Varmchuk, Edward John	<input checked="" type="checkbox"/>				
33	P	US 6243223 B1	20010605	1	Disk drive with servo burst phasing for improved	360/77.06	360/77.02		Elliott, Timothy J. et al.	<input checked="" type="checkbox"/>				
34	P	US 6057977 A	20000502	1	Compact servo pattern optimized for M-R heads	360/77.08	360/77.11		Cunningham, Earl Albert	<input checked="" type="checkbox"/>				
35	P	US 6002541 A	19991214	1	Method and apparatus for providing a linear position	360/77.08	360/77.02		Belser, Karl Arnold et al.	<input checked="" type="checkbox"/>				
36	P	US 5982173 A	19991109	1	Method of characterizing and compensating for read head	324/212	324/202	360/77.04	Hagen, Mark David	<input checked="" type="checkbox"/>				
37	P	US 5946157 A	19990831	1	Method of seamlessly recording circumferentially	360/75	360/68		Codilian, Raffi et al.	<input checked="" type="checkbox"/>				
38	P	US 5907447 A	19990525	1	Radial self-propagation pattern generation for disk	360/75	360/77.01	360/77.08	Varmchuk, Edward John et al.	<input checked="" type="checkbox"/>				
39	P	US 5875064 A	19990223	1	Method and system for accurate self-servowriting	360/75	360/77.05	360/78.04	Chainer, Timothy et al.	<input checked="" type="checkbox"/>				
40	P	US 5844742 A	19981201	1	Radial self-propagation pattern generation for disk	360/75	360/77.08		Varmchuk, Edward John et al.	<input checked="" type="checkbox"/>				
41	P	US 5798543 A	19980818	20	Data track pattern including embedded servo sectors for	360/77.08	360/48		Ton-That, Luan	<input checked="" type="checkbox"/>				
42	P	US 5793554 A	19980811	1	Self-servowriting system with dynamic error	360/75	360/77.08		Chainer, Timothy et al.	<input checked="" type="checkbox"/>				
43	P	US 5659436 A	19970819	1	Radial self propagation	360/75	360/77.08		Varmchuk, Edward John	<input checked="" type="checkbox"/>				

EAST: [Untitled1:1]

File View Edit Tools Window Help

Drafts

ID	Document ID	Issue Date	Pages	Title	Current US	Current ED	Referrals	Inventor	PC	TC	CC	EC	FC	SC	OC
45	P - US 6631046 B2 20031007	Servo track writing using extended copying with head	360/75	360/51; 360/77.07;	Zita; Gabor et al.										
76	P - US 6600620 B1 20030729	Self-servo writing a disk drive by propagating	360/75	360/51	Kroumbi; Mohamed T. et al.										
27	P - US 6522488 B2 20030218	Servo information writing method and storage device	360/31	360/51; 360/53;	Basamoto; Tatsuro et al.										
28	P - US 6519107 B1 20030211 21	Hard disk drive having self-written servo burst	360/75		Bhrlich; Richard M. et al.										
29	P - US 6469859 B1 20021022	Method and system for accurate self-servowriting	360/75		Chainer; Timothy et al.										
30	M - US 6369974 B1 20020409	Disk drive with method of constructing a continuous	360/78.14	360/75	Asgari; Saeed et al.										
31	P - US 6359749 B1 20020319	Dual element head with radial offset optimized for	360/121		Fukushima; Craig N.										
32	P - US 6344942 B1 20020205	Method and apparatus for absolute track spacing	360/75	360/78.04	Yarmchuk; Edward John										
33	M - US 6243223 B1 20010605	Disk drive with servo burst phasing for improved	360/77.08	360/77.02	Elliott; Timothy J. et al.										
34	P - US 6057977 A 20000502	Compact servo pattern optimized for M-R heads	360/77.08	360/77.11	Cunningham; Earl Albert										
35	P - US 6002541 A 19991214	Method and apparatus for providing a linear position	360/77.08	360/77.02	Belser; Karl Arnold et al.										
36	P - US 5982173 A 19991109	Method of characterizing and compensating for read head	324/212	324/202; 360/77.04	Hagen; Mark David										
37	M - US 5946157 A 19990831	Method of seamlessly recording circumferentially	360/75	360/68	Codilian; Raffi et al.										
38	P - US 5907447 A 19990525	Radial self-propagation pattern generation for disk	360/75	360/77.01; 360/77.08	Yarmchuk; Edward John et al.										
39	P - US 5875064 A 19990223	Method and system for accurate self-servowriting	360/75	360/77.05; 360/78.04	Chainer; Timothy et al.										
40	M - US 5844742 A 19981201	Radial self-propagation pattern generation for disk	360/75	360/77.08	Yarmchuk; Edward John et al.										
41	M - US 5796543 A 19980818 20	Data track pattern including embedded servo sectors for	360/77.08	360/48	Ton-That; Luan										
42	P - US 5793554 A 19980811	Self-servowriting system with dynamic error	360/75	360/77.08	Chainer; Timothy et al.										
43	P - US 5659436 A 19970819	Radial self propagation pattern generation for disk	360/75	360/77.08	Yarmchuk; Edward John et al.										
44	P - US 5612833 A 19970318	Radial self-propagation pattern generation for disk	360/75	360/29	Yarmchuk; Edward J. et al.										
45	P - US 5587850 A 19961224 20	Data track pattern including embedded servo sectors for	360/77.08	360/77.06	Ton-That; Luan										
46	P - US 5361281 A 19950110	Disk drive system using multiple embedded quadrature	360/77.08		Shrinkle; Louis J. et al.										
47	P - US 5270886 A 19931214	Two motor servo system for a removable disk drive	360/78.05	360/77.03; 360/78.11;	Nigam; Anil K.										
48	P - US 4669004 A 19870526	High capacity disk file with embedded sector servo	360/53	360/73.03; 360/77.08;	Moon; Ronald R. et al.										

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File View Edit Tools Window Help

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Drafts Pending Active Failed

Z11: (102117) disk adj1 drive
Z12: (2987) write with read with offset
Z13: (16663) pitch with track
Z14: (4170) servo adj1 track
Z15: (1066) burst adj1 pattern
Z16: (9076) head adj1 slider
Z17: (23) 1 same 2 same 3
Z18: (48) S end 8
Z19: (108) read and write
Z20: (108) read and write

Document ID Issue Date Pages Title Current CDR Current Date Retrieval C Inventor S C P R F G

	Document ID	Issue Date	Pages	Title	Current CDR	Current Date	Retrieval C	Inventor	S	C	P	R	F	G
1	[P] US 20050122609	20050609	16	Data storage device and servo information writing	360/48	360/76		Saikawa, Manabu et al.	<input checked="" type="checkbox"/>					
2	[W] US 20050079402	20050414	11	Using a mechanical stop for determining an operating	360/75			Shor, Eikfun et al.	<input checked="" type="checkbox"/>					
3	[S] US 20050073770	20050407	45	Systems and methods for repairable servo burst	360/75	360/77.04;	360/77.08	Schlrich, Richard M. et al.	<input checked="" type="checkbox"/>					
4	[W] US 20050069659	20050331	12	METHOD FOR SELF-SERVO SELF-WRITING A DISK DRIVE	360/75	360/76.04		Yamamoto, Satoshi	<input checked="" type="checkbox"/>					
5	[S] US 20050069657	20050331	12	Servo self-write disk drive with dual-stage actuator	360/75	360/31		Yamamoto, Satoshi	<input checked="" type="checkbox"/>					
6	[W] US 20050007702	20050113	11	Method and apparatus reducing off track head	360/245			Oh, Dong-Ho et al.	<input checked="" type="checkbox"/>					
7	[S] US 20050007701	20050113	11	Method and apparatus reducing off-track head	360/245			Oh, Dong-Ho et al.	<input checked="" type="checkbox"/>					
8	[W] US 20050007689	20050113	11	Method and apparatus reducing off track head	360/77.02	360/78.04;	360/78.12	Oh, Dong-Ho et al.	<input checked="" type="checkbox"/>					
9	[W] US 20050002121	20050106	11	Method and apparatus for writing with head having	360/75	360/53		Allen, Gregory W. et al.	<input checked="" type="checkbox"/>					
10	[W] US 20040201914	20041014	19	Servo information write method, data storage device,	360/75			Ikeda, Masumi et al.	<input checked="" type="checkbox"/>					
11	[W] US 20040145825	20040729	11	Methods and apparatus for writing servo frames to	360/53	360/48;	360/75	Miles, Michael Alan	<input checked="" type="checkbox"/>					
12	[S] US 20040136109	20040715	20	Apparatus and method for positioning head at target	360/78.04	360/78.14		Kusumoto, Tatsuharu et al.	<input checked="" type="checkbox"/>					
13	[W] US 20040125491	20040701	31	Servo information write method, servo control	360/75	360/48;	360/51	Iseri, Kaoru et al.	<input checked="" type="checkbox"/>					
14	[S] US 20040057151	20040325	16	Data storage device and servo information writing	360/77.08	360/48;	360/78.04	Saikawa, Manabu et al.	<input checked="" type="checkbox"/>					
15	[W] US 20040004783	20040108	11	Head position control method, disk device, and	360/75	360/77.02;	360/77.04	Takeishi, Kazuhiko et al.	<input checked="" type="checkbox"/>					
16	[W] US 20030197969	20031023	11	Controlling low frequency track shape errors in hard	360/77.08	360/75		Szita, Gabor et al.	<input checked="" type="checkbox"/>					
17	[W] US 20030026036	20030206	15	In-situ linearization of magnetic read/write head	360/77.08			Chew, Kok-Kia	<input checked="" type="checkbox"/>					
18	[W] US 20020196576	20021226	18	Burst position error data write method and magnetic	360/77.07	360/48;	360/51	Hirano, Masakazu et al.	<input checked="" type="checkbox"/>					

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EAST: [Untitled1:1]										
File View Edit Tools Window Help										
Document ID Issue Date Pages Title Current IP Current IMA Retrieval Inventor										
ID	Document ID	Issue Date	Pages	Title	Current IP	Current IMA	Retrieval	Inventor	IPC	USPC
19	P US 20020176199 200201120	27	Track pitch control using head offset measurement for magnetic disk drive	360/75	360/76			Gomez, Kevin Arthur et al.	F	F F F F F
20	P US 20020131168 20020919	1	Magnetic disk drive	360/31	360/48			Hamaguchi, Takehiko et al.	F	F F F F F
21	P US 20020105751 20020808	1	Magnetic disk apparatus and servo signal recording	360/78, 04	360/75			Yasuna, Kei et al.	F	F F F F F
22	P US 20020101672 20020801	1	Method for storage of self-servowriting timing	360/51	360/48			Chainer, Timothy J. et al.	F	F F F F F
23	P US 20020071198 20020613	1	Method to achieve higher track density by allowing	360/77, 02	360/63,			Liu, Xiong et al.	F	F F F F F
24	P US 20020067567 20020606	26	Correction of dynamic track spacing errors in storage	360/77, 04	360/77, 08			Szita, Gabor	F	F F C F F
25	P US 20020050814 20020502	1	Testing apparatus and method for testing magnetic head	324/210	324/212			Nozu, Takashi	F	F C F C C
26	P US 20020039247 20020404	1	Track pitch correction method and apparatus	360/76	360/77, 02			Bi, Qiang et al.	F	F F C F F
27	P US 20020036860 20020328	21	Method for linearizing microactuator hysteresis for writing servo sectors to a disc drive using offset	360/77, 05	360/75,			Bi, Qiang et al.	F	F F F F F
28	P US 20020036858 20020328	1	Writing servo sectors to a disc drive using offset	360/75	360/78, 04;			Bi, Qiang et al.	F	F F F F F
29	P US 20010040752 20011115	19	Servo track writing using extended copying with head	360/77, 04	360/77, 08			Szita, Gabor et al.	F	F F F F F
30	P US 20010033447 20011025	9	Method and apparatus for writing clock data to a head position control method for a disk device and the	360/48	360/51,			Miles, Michael A.	F	F F F F F
31	P US 20010022702 20010920	1	Head position control method for a disk device and the	360/77, 02	360/63,			Takaiishi, Kazuhiko et al.	F	F F F F F
32	P US 20010009484 20010726	1	Methods and systems for self-servowriting including	360/75	360/48			Chainer, Timothy J. et al.	F	F F F F F
33	P US 20010000302 20010419	38	Servo information writing method and storage device	360/31	360/53;			Sasamoto, Tatsuro et al.	F	F F F F F
34	P US 6888696 B2 20050503		Magnetic disk apparatus and servo signal recording	360/78, 04	360/77, 02			Yasuna, Kei et al.	F	F F F F F
35	P US 6819519 B2 20041116		Head position control method for a disk device and the	360/77, 02	360/63;			Takaiishi, Kazuhiko et al.	F	F F F F F
36	P US 6785084 B2 20040831	25	Correction of dynamic track spacing errors in storage	360/77, 04	360/77, 08			Szita, Gabor	F	F F F F F
37	P US 6765744 B2 20040720	26	Track pitch control using head offset measurement for	360/75				Gomez, Kevin Arthur et al.	F	F F F F F
38	P US 6765737 B1 20040720		variable track densities on a recording medium to	360/48	360/77, 04			Lim, Choonkiat et al.	F	F F F F F
39	P US 6760164 B1 20040706	26	Compact servo pattern optimized for M-R heads	360/77, 08				Cunningham, Earl Albert	F	F F F F F
40	P US 6751042 B2 20040615		Track pitch correction method and apparatus	360/77, 02	360/75;			Bi, Qiang et al.	F	F F F F F
41	P US 6735031 B2 20040511		Method for storage of self-servowriting timing	360/51	360/48;			Chainer, Timothy J. et al.	F	F F F F F
42	P US 6717760 B2 20040406		Magnetic disk drive	360/31	360/46;			Hamaguchi, Takehiko et al.	F	F F C C F
43	P US 6714369 B2 20040330	8	Method and apparatus for	360/51	360/75			Miles, Michael A.	F	F F F F F

		Document ID	Issue Date	Pages	Title	Current IN	Current USN	Retrieval	Inventor	F	F	F	F	F	F
43	P	US 6714369 B2	20040330	9	Method and apparatus for writing clock data to a magnetic head	360/51	360/75; 360/76		Miles; Michael A.						
44	P	US 6700731 B2	20040302	15	In-situ linearization of magnetic read/write head	360/77.08	360/77.04		Chew; Kok-Kia						
45	P	US 6700730 B1	20040302	13	Method of using an integral parameter for correct	360/77.04	360/78.09		Ohzeki; Hideki et al.						
46	P	US 6696831 B2	20040224		Testing apparatus and method for testing magnetic head	324/210	324/212		Nozu; Takashi						
47	P	US 6693763 B2	20040217	20	Method for linearizing microactuator hysteresis for preamplifier circuit	360/77.05	360/75; 360/78.09		Si; Qiang et al.						
48	P	US 6693760 B1	20040217	16	Preamplifier circuit configurable to allow	360/75	360/51; 360/67		Kroumbi; Mohamed T. et al.						
49	P	US 6643082 B1	20031104		Servo sector format for a patterned media	360/48	360/51; 360/77.08		Belser; Karl A.						
50	P	US 6633451 B1	20031014		Self-servo-writing timing pattern generation with	360/75			Chainer; Timothy J. et al.						
51	P	US 6631046 B2	20031007	18	Servo track writing using extended copying with head	360/75	360/51; 360/77.07		Szita; Gabor et al.						
52	P	US 6611396 B1	20030826		Disk level servo write	360/77.04			Kermiche; Noureddine et al.						
53	P	US 660620 B1	20030729	17	Self-servo writing a disk drive by propagating	360/75	360/51		Kroumbi; Mohamed T. et al.						
54	P	US 6522488 B2	20030218	37	Servo information writing method and storage device	360/31	360/51; 360/53		Sasamoto; Tatsuro et al.						
55	P	US 6519107 B1	20030211	21	Hard disk drive having self-written servo burst	360/75			Shrlich; Richard M. et al.						
56	P	US 6510017 B1	20030121		Calibration of reader/writer offset in a disc drive	360/77.04			Abdelnour; Ghassan M.						
57	P	US 6469859 B1	20021022	21	Method and system for accurate self-servowriting	360/75			Chainer; Timothy et al.						
58	P	US 6429989 B1	20020806		Method for self-servowriting timing propagation	360/51	360/77.08; 360/78.14		Schultz; Mark D. et al.						
59	P	US 6369974 B1	20020409	28	Disk drive with method of constructing a continuous	360/78.14	360/75		Asgari; Saeed et al.						
60	P	US 6359749 B1	20020319	10	Dual element head with radial offset optimized for	360/121			Fukushima; Craig N.						
61	P	US 6344942 B1	20020205	21	Method and apparatus for absolute track spacing	360/75	360/78.04		Yarmchuk; Edward John						
62	P	US 6320718 B1	20011120		Disk drive with zero read offset in reserved area and Methods and systems for self-servowriting including	360/77.04	360/77.08		Doekamp; Timothy D. et al.						
63	P	US 6301071 B1	20011009		Disk drive with dual stage actuator radial offset	360/75			Chainer; Timothy Joseph et al.						
64	P	US 6292320 B1	20010918		Magnetic head and method for compensating for magnetic	360/63	360/76; 360/77.04		Mason; Jeffrey E. et al.						
65	P	US 6275350 B1	20010814		Methods and systems for self-servowriting including	360/77.12	360/121		Barndt; Richard D.						
66	P	US 6249399 B1	20010619		Disk drive with servo burst	360/75			Chainer; Timothy Joseph et al.						
67	P	US 6243223 B1	20010605	17		360/77.08	360/77.02		Elliott; Timothy J. et al.						

ID	Document ID	Issue Date	Pages	Title	Current US	Current IMAF	Retrieval ID	Inventor	F	C	P	E	M	R	S	T
57	P	US 6243223 B1	20010605	17	Disk drive with servo burst phasing for improved calibration	360/77.08	360/77.02	Elliott, Timothy J. et al.	F	F	F	F	F	F	F	F
68	P	US 6199584 B1	20010306		Disk drive with staggered calibration bursts that are controlling a	360/48	360/75	Codilian, Raffi et al.	F	F	F	F	F	F	F	F
69	P	US 6166075 A	20001226		Method of positionally controlling a	360/77.04	360/76.14	Oeno, Takahisa et al.	F	F	F	F	F	F	F	F
70	P	US 6151289 A	20001121		Multibyte random access mass storage/memory system	369/95	369/112.08; 369/116	Rope, Ronald S. et al.	F	F	F	F	F	F	F	F
71	P	US 6101063 A	20000808		Methods and systems for self-servowriting including	360/75		Chainer, Timothy Joseph et al.	F	F	F	F	F	F	F	F
72	P	US 6091564 A	20000718		Disk drive with calibration bursts that are recorded on	360/75	360/48; 360/57	Codilian, Raffi et al.	F	F	F	C	F	F	F	F
73	P	US 6057977 A	20000502	24	Compact servo pattern optimized for M-R heads	360/77.08	360/77.11	Cunningham, Earl Albert	F	F	F	F	F	F	F	F
74	P	US 6052250 A	20000410		Disk drive with separately determined servo and data	360/77.08	360/78.14	Golowka, Daniel et al.	F	F	F	F	F	F	F	F
75	P	US 6035351 A	20000307		Storage of user defined type file data in corresponding	710/74	360/48; 369/111	Billings, Russell Allen et al.	F	F	F	F	F	F	F	F
76	P	US 6031680 A	20000229		Methods and systems for self-servowriting including	360/75	360/77.08	Chainer, Timothy Joseph et al.	F	F	F	F	F	F	F	F
77	P	US 6005738 A	19991221		Methods and systems for self-servo-writing including	360/75	360/77.08	Chainer, Timothy Joseph et al.	F	F	F	F	F	F	F	F
78	P	US 6002541 A	19991214	16	Method and apparatus for providing a linear position	360/77.08	360/77.02	Belser, Karl Arnold et al.	F	F	F	F	F	F	F	F
79	P	US 5982173 A	19991109	22	Method of characterizing and compensating for read head	324/212	324/202; 360/77.04	Hagen, Mark David	F	F	F	C	F	F	F	F
80	P	US 5946157 A	19990831	17	Method of seamlessly recording circumferentially	360/75	360/66	Codilian, Raffi et al.	F	F	F	F	C	F	F	F
81	P	US 5907447 A	19990525	34	Radial self-propagation pattern generation for disk	360/75	360/77.01; 360/77.08	Yarmchuk, Edward John et al.	F	F	F	F	F	F	F	F
82	P	US 5875064 A	19990223	19	Method and system for accurate self-servowriting	360/75	360/77.05; 360/78.04	Chainer, Timothy et al.	F	F	F	F	C	F	F	F
83	P	US 5644742 A	19981201	30	Radial self-propagation pattern generation for disk	360/75	360/77.08	Yarmchuk, Edward John et al.	F	F	F	C	F	F	F	F
84	P	US 5615482 A	19980929		Multibyte random access mass storage/memory system	369/112.05	369/112.16; 369/112.29	Rope, Ronald S. et al.	F	F	F	C	F	F	F	F
85	P	US 5796543 A	19980818	20	Data track pattern including embedded servo sectors for	360/77.08	360/48	Ton-That, Luan	F	F	F	F	F	F	F	F
86	P	US 5796542 A	19980818		Servo-track writer system having a plurality of	360/77.02	360/75; 360/98.02	Szeremeta, Wally	F	F	F	F	F	F	F	F
87	P	US 5793555 A	19980811		Seek optimization for disk files with side-by-side head	360/75	360/61; 360/62	Belser, Karl Arnold et al.	F	F	F	F	F	F	F	F
88	P	US 5793554 A	19980811	18	Self-servowriting system with dynamic error	360/75	360/77.08	Chainer, Timothy et al.	F	F	F	F	F	F	F	F
89	P	US 5781360 A	19980714		Method and apparatus for detecting data track	360/77.09	360/77.02; 360/77.04	Wilson, Rosser B. et al.	F	F	F	F	F	F	F	F
90	P	US 5757574 A	19980526		Methods and systems for self-servowriting including	360/75	360/77.08	Chainer, Timothy Joseph et al.	F	F	F	C	F	F	F	F
91	P	US 5682274 A	19971028		Method and apparatus for	360/77.04	360/77.08	Brown, Dana Henry et al.	F	F	F	F	F	F	F	F

		Document ID	Issue Date	Pages	Title	Current US	Current WO&P	Retrieval C	Inventor	F	C	P	E	G	S	M
35	P	US 5796543 A	19980818	20	Data track pattern including embedded servo sectors for servo-track writer system	360/77.08	360/16		Ton-That; Luan et al.							
36	P	US 5796542 A	19980818		Having a plurality of seek optimization for disk files with side-by-side head	360/77.02	360/75; 360/98.02		Szareketa; Wally et al.							
37	P	US 5793555 A	19980811		Self-servowriting system with dynamic error	360/75	360/61; 360/62;		Belsci; Karl Arnold et al.							
38	P	US 5793554 A	19980811	18	Method and apparatus for detecting data track	360/77.08	360/77.08		Chainer; Timothy et al.							
39	P	US 5781360 A	19980714		Methods and systems for self-servowriting including	360/75	360/77.04		Silson; Roger S. et al.							
40	P	US 5757574 A	19980526		Method and apparatus for positioning transducers to	360/77.04	360/77.08		Chainer; Timothy Joseph et al.							
41	S	US 5682274 A	19971028		Radial self-propagation pattern generation for disk	360/75	360/77.08		Brown; Dane Henry et al.							
42	P	US 5659436 A	19970819	32	Radial self-propagation pattern generation for disk	360/75	360/77.08		Tarachuk; Edward John et al.							
43	P	US 5612833 A	19970318	31	Radial self-propagation pattern generation for disk	360/75	360/29		Varmchuk; Edward J. et al.							
44	P	US 5587050 A	19961224	20	Data track pattern including embedded servo sectors for	360/77.08	360/77.06		Ton-That; Luan							
45	P	US 5500776 A	19960319		Self-calibration for computer disk read/write	360/77.04	360/76; 360/77.08		Smith; Robert F. et al.							
46	P	US 5446600 A	19950829		Electronically alignable flexible disk drive	360/46			Galloway; Gregory M. et al.							
47	P	US 5381281 A	19950110	19	Disk drive system using multiple embedded quadrature	360/77.08			Shinkle; Louis J. et al.							
48	P	US 5333084 A	19940726		Electronically alignable flexible disk drive	360/77.07	360/69; 360/77.02		Galloway; Gregory M. et al.							
49	P	US 5321570 A	19940614		Systems using superimposed, orthogonal buried servo	360/121	360/77.07; 360/77.12		Behr; Michael I. et al.							
50	S	US 5293281 A	19940308		Method of reading and writing data transitions on two motor servo system for a removable disk drive	360/77.07	360/76; 360/77.12		Behr; Michael I. et al.							
51	P	US 5270886 A	19931214	17	System using superimposed, orthogonal buried servo	360/78.05	360/77.03; 360/78.11		Nigam; Anil K.							
52	P	US 5223994 A	19930629		Systems using superimposed, orthogonal buried servo	360/77.12	360/77.07		Behr; Michael I. et al.							
53	P	US 5132861 A	19920721		Systems using superimposed, orthogonal buried servo	360/121	360/77.07; 360/77.12		Behr; Michael I. et al.							
54	P	US 4739239 A	19880419		Bipolar motor control	318/665	318/567; 318/696		Krause; James N. et al.							
55	P	US 4669004 A	19870526	39	High capacity disk file with embedded sector servo	360/53	360/73.03; 360/77.08		Moore; Ronald R. et al.							
56	P	US 4578786 A	19860325		Track pitch calibration system for use in optical	369/44.26	347/248; 369/111		McIntosh; Robert et al.							
57	P	US 4577301 A	19860318		Track pitch calibration error reduction	369/44.31	369/111; 369/275.3		Mathews; Marlan P. et al.							
58	P	US 4371902 A	19830201	7	Disk initialization method	360/75	360/77.03; 360/77.08		Baxter; Duane W. et al.							

